

# The Gleamer



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**APRIL    ::    NINETEEN-SEVENTEEN**

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# The Gleaner

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## Literae

RAPHAEL GLASS, Editor

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### HOW SANITARY IS OUR DAIRY?

By HARRY SCHUFFMAN, '18

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"How sanitary is our dairy?" is a question to which we, as agricultural students in a dairy state, should give full consideration. Probably no food question has had in recent years such widespread agitation as the sanitary production of milk. Various phases of the problem have been presented and discussed in the press, the agricultural and farmers' bulletins and in scientific reports. These have not only been of educational value to the farmer, but also—it is gratifying to note—have resulted in an increased demand on the part of the consumer for clean, wholesome milk. Compliance to this demand has led to the enactment of stringent state laws, governing such conditions and influences as the health, cleanliness, feed and care of cows, and the general handling of the milk.

How has this wave of sanitation affected us? How are we conforming to the state regulations? In comparing the three farms that

compose the Farm School we may note in general that the details of equipment and production, with few exceptions, are very similar. It is our aim to analyze the various operations, giving commendation when due and censuring where there are faults.

One of the first essentials for the production of clean milk is an active, healthy herd. If cows are affected with contagious diseases, or diseases of the udder, or are otherwise abnormal, their milk is not only unfit for human consumption, but it may transmit pathogenic bacteria to susceptible individuals. To the maintenance of the health and efficiency of its cattle, Farm School pays particular attention in several ways. At least once a year the cows are subjected by a competent veterinarian to the tuberculin test, with the express purpose of eradicating those which react to it. So, assured of sound, vigorous cattle, the school has provided suitable barns, with abundance of light, adequate venti-

lation and ample room. The stalls are properly constructed, furnishing large platforms, well-placed manure-drops and simple, easily cleansed mangers. Moreover, the animals are regularly fed with rations which are abundant, palatable and nutritious, and which afford a proper balance between proteid and non-proteid material for the further production of milk and for the maintenance of bodily functions and weight.

Having thus provided for the inner cow, how does the school take care of her external condition? Here our answer can be just as commendatory. It is obvious that any effort expended to keep cows clean will not only be conducive to health, but will prevent them from being a prolific source of milk contamination. One grooming, and two if necessary, is required daily on the three farms. However, in this regard of external cleanliness, there is one objectionable condition at Farm No. 3. Here a departure from sanitary requirements is the accumulation of manure in the barnyard, where the cows have not only access to the pile for a blissful and leisurely sunning, but by necessity must wade thru the filth to obtain their daily waterings. True, with constant grooming, the cattle do not acquire a perpetual "manurial" blanket—a condition so generally prevalent among many farmers that it recalls (on questioning an agriculturist of such a type) an answer sometimes presented: "Wal, I'll tell you; I reckon that there coating never hurts the cows, for in the winter it keeps 'em warm, and in the summer, when they're out on pas-

ture, the first rain'll wash it off." Such a remark denotes a disposition toward uncleanness. Farm School students and instructors, we know, while they appreciate fully the value of cow dung, are somewhat doubtful of its enriching qualities when mixed with the milk.

It is generally conceded by weight of scientific evidence that, as milk in the udder of a normal, healthy cow is perfectly sterile, contamination first occurs during the act of milking. To avoid such pollution, Farm School takes much precaution. After the udder and teats of the cows have been thoroughly cleaned with a wet rag, the students milk dry-handed into close-top pails. During the process, however, the feeding of dusty hays and the sweeping of the floor, as daily practiced, are objectionable. These operations may so charge the air with dust and accompanying bacteria that they may in a large measure offset the advantages gained thru the precautions previously mentioned.

After the milk has been drawn, it is weighed and strained into containers and immediately brought to the school's dairy house. Here it is again strained thru a combined aerator and cooler, which process liberates dissolved gases as well as decreasing bacterial action to a minimum. Moreover, the dairy is adequately equipped with all conveniences for the part it plays in the production. It is furnished with ample facilities for cleaning, washing and scalding pails, cans and small equipments, with a sterilizing room and pasteurizer, with cooling tanks and ice chests and with all other accessories which as-

sure sanitary handling from the time the milk enters the house until it is ready for shipment.

Delivery of the milk to the consumer is direct and immediate, there being no intervening agencies as holding at shipping points or distributing thru city milk plants. Furthermore, as the milk has been cooled and kept so until it reaches its patrons, and as it has been transported in cans which have been previously sterilized, the consumer is reasonably assured of a product as good as it left the dairy.

With the delivery of the milk, our analysis is completed. In it we have endeavored to emphasize two reprehensible features—one, the discharging of dust during the milking period thru feeding and sweeping; the other, more objectionable and important, the accumulation of manure in the barnyard where the cattle have access to it.

The former condition can be entirely eliminated by feeding and sweeping directly after milking. The latter may be remedied perhaps only with a large expenditure, as it may be necessary to alter the entire barnyard system, either by secluding the manure pile or particularly by removing and replacing the watering troughs. True, while it must be remembered that the consumer ought ordinarily to foot the bills of such a change, yet, if it does not return any immediate pecuniary profits, it will yield future dividends in the good influences it will exert upon the students. With the fulfillment of these two remedies, Farm School will enhance the value of its milk, which at present—as evidenced by the fact that it is officially exempted from pasteurization—is a product highly desirable, cleanly, nutritious and sanitary.



## THE BATTLE

The biggest battle of the year  
Is now almost decided;  
The victor has our heartiest cheer  
For here it has resided.

A clever battle Spring has fought  
In its attack on Winter;  
And over Nature it has wrought  
A change to please the printer.

Birds, animals, flowers and trees  
Make up this loyal legion;  
That scatters Winter in the breeze  
To some far northern region.

By Abraham Sherman, '18

## N. F. S, WAR PROGRAM.

At the last meeting of the National Farm School Senate the following resolution was adopted to be presented to the Officers, Director and Faculty of the institution.

We, the National Farm School Senate, representing the students of the National Farm School, in view of the crisis that confronts our country at this time, one that demands that our country receive the active co-operation of every one of its loyal citizens in every walk of life, hereby wish to announce to the faculty and officers of the National Farm School that the student body is ready to co-operate with them in every way that they see fit, to bring the work of the institution to its highest point of efficiency, to realize the call of our President to develop all available land for agricultural purposes, and for all men connected with farming to become soldiers of the commissary. To this end we wish to make the following specific recommendations, to both students and faculty:

1. That the rising hour be changed from 5.45 to 4.45 in order that more time be given to the more intensive cultivation of the farm.
2. That all students give particular attention to their gardens and project work, and that in the project work a special effort be made to develop the few odd lands that have hitherto escaped cultivation.
3. That all students are urged to be particularly industrious in their industrial and detail work, and that students be urged to work in the fields as long as possible, and that we look unfavorably on students "quitting early."
4. That such spare time as the students have, such as the time from 5.45 to 6.30, should be devoted to gardens.
5. That each class devote at least one study period a week for the purpose of acquiring military instruction.
6. That in conformity with the President's proclamation for economy, we urge the strictest economy to be used by the students at the table, that every effort be made to prevent waste, and that the matrons use their best judgment to make our food conform to our needs with a minimum of luxuries.
7. We pledge our loyalty to this program or any other steps that the faculty deems wise to take to bring the National Farm School in line with the patriotic needs of the hour.

homework

## BACTERIAL MENU

A Bill of Fare-well

"VORSPICE"

Streptoflix  
SOUP

Myxobacteriaceae

A mixture of Micrococcus, Streptococcus and Dylpococcus

1st Course..... Bacilli, with hairy cilia scattered all over the surface

2d Course ..... Spirillum, wound up tight

3d Course ..... Microspira, with only one cilia on each end

BOUILLON.

Chlamydobacteriaceae—clammy

PUNCH

Actinomyces (This punch causes Lumpy Jaw)

ICES

Frozen Vibrio, served with Cladothrix and Leptoflix

SMOKES

Smoke Spirochaetes (They're tight)—Adv.

H. SCHUFFMAN, Waiter.

## RENUNCIATION

Her hair was in wild disorder. Her face was flushed and her eyes flashed. She clenched and unclenched her hands in an agony of despair. Unless her looks belied her, she was a deeply injured and desperate woman. Her indignation and anger were allied with keen despondency.

"Cruel one; oh, cruel one!" she cried in anguished tones. "I have borne with you too long! You have injured me, you have tortured me, and yet I could not bear to give you up!"

"When first we met," she continued, "how your ease and polish attracted me! When you became my very own, how my friends envied me. But your understanding is too small for my large soul. You have ruined my standing in society! If we had never met I might have walked in peace! So now begone! We part forever!"

There came a moment's convulsive breathing, a gritting of teeth and a sharp sigh. It was all over. The tragedy was ended. By an almost superhuman effort she had pulled off her new shoe.

## IN ENGLISH

Becker (in parsing sink)—Sink, sank (after a moment's thought) drowned.





## The Gleaner

JOHN B. McCOOL, Editor-in-Chief

RAPHAEL GLASS, Literae

J. L. MILLER, Agriculture

ERNEST KATZ, Athletics

MORDECAI, ROSENBERG Class and Clubs

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### SCIENCE CLUB

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The vast opportunities for scientific investigation offered by our school demand the existence of an active, scientific Science Club. During the past month, our club has been called the "Silence Club." Perhaps the additional "I" stands for the labor which we are not doing. Are we willing to let it go on? Do we need a member of the faculty to point out the opportunities and force us to investigate?

The students of the school are thirsty after knowledge. We have

excellent facilities for research and experimental work. We have men and boys here who are fully capable of doing the work. Other people are interested in what we are doing. Shall we be so selfish as to keep our observations to ourselves and not let the others benefit by them?

The old motto "do it now" has stood the wear of ages. Let us "Do it now." Let us keep our senses keen for anything interesting to us and to others. Let us put

our observations before our science club for explanation and discussion. Let us prove that the extra "I" stands for labor which we are doing. Let us make the science club

an organization; the pride of Farm School. In short, fellow students, let's Get Busy Now!

R. G., '18.

### A PROPHECY

In the days of Henry VIII of England, Mrs. Shipton was deemed a great prophetess. She was born in 1486 and died in 1561 in Yorkshire, Eng. Many of her prophecies came true, among which may be cited the following one, written by Mrs. Shipton over 400 years ago in England.

Carriages without horses will go  
And accidents fill the world with  
woe;

Around the world news will fly  
In the twinkle of an eye.

Waters shall yet more wonders do  
It's strange but yet it shall be  
true,

The world up-side-down shall ride.  
Iron steamships across the ocean  
glide.

Gold will be found at foot of tree  
It may not be by you or me.  
Through hills and mountains man

shall ride,  
No horse nor ass be at his side.  
Under water man shall walk  
Shall ride, sleep and will walk.  
In the air men shall be seen  
In white and black and in green.  
In the water iron will float  
As easy as a wooden boat,  
Gold will be found in mid stone  
In the land that's now unknown.  
Fire and water shall wonders do,  
England shall at last admit the  
Jew  
And this world to an end shall  
come  
In eighteen hundred and eighty-  
one.

As can be seen, all the prophecies have come to pass except the last one. She certainly must have slipped a cog when she prophesied that the world would come to an end in 1881.

### HERE AND THERE

Spring has been officially welcomed by Dolly Sherman, who is again wearing the old hat left to him by Mr. Eaton, after twelve years of faithful service.

Since Levitch froze his fingers he has come to believe that "many are cold but few are frozen."

The latest addition to our daily routine is vocalizing by Miss Winkler three times a day. A dispute has arisen among the fellows as to whether the cause of it is Spring

fever or a sinister intimacy with Prof. Borden's Leptoflix Bacteria. Miss Winkler stoutly maintains, however, that it is merely a desire to entertain us.

With the advent of Spring comes tender memories of Camp Arden and Mr. Campbell, despite his pronounced pacifist principles, seems to be practicing preparedness. Under the tutelage of Rubin, he has developed into a real Vernon Castle.

Mr. Young reports great prospects for a good football season at Farm No. 3 this year. A new husky has reported as a candidate for his team, which is now a complete eleven. With Mr. Young's coaching it is expected to develop into a first-class combination. Good luck!

Rubin, the self-appointed N. F. S. basketball star, has discovered that the cross-breeding of a registered Holstein and a registered Guernsey will produce a registered Jersey. Mr. Bishop has promised him to secure a patent for his invention at the earliest opportunity.

After a severe and lengthy examination, Miss Borden has come to the conclusion that Neubauer is perhaps really a member of the Genus Homo, though she admits that it is open to discussion. She denied the rumor, however, that it was the only one of its kind. She says that in 1907 Farm School was similarly astounded at the appearance of an individual bearing a marked resemblance to this mysterious Neubauer.

Aidman reports that Skolnick and Schneider have been officially initiated into the United Bomb-throwers' Association of N. F. S.

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### HINTS TO FRESHMEN GARDENERS

The time is near when each freshman will be presented with a 2 x 2 patch, on which, after careful and painstaking efforts to raise various vegetables, he will learn how not to garden. I think that a little advice from one who has gone through that excruciating experience, will be of benefit to you.

At this time of year look after your potatoes carefully. Have their eyes examined by a good oculist and provide spectacles for such as need them.

Never string your beans until they are old enough to understand it. If you begin too early, they are apt to lose their temper.

Instead of wasting expensive fertilizer for your garden, use some N. F. S. text-books, which Mr. Campbell will kindly provide you with in abundance.

Do not attempt to raise bread-fruit from cauliflower.

If you are troubled by the gypsy moth, these suggestions kindly offered by Miss Borden will probably help you. First, climb the tree where he resides and carefully put him in your hip-pocket; then fall heavily to the ground, landing on your back in such a manner as to disfigure the moth permanently. If he survives, circulate stories concerning gypsies generally and he will leave of his own accord.

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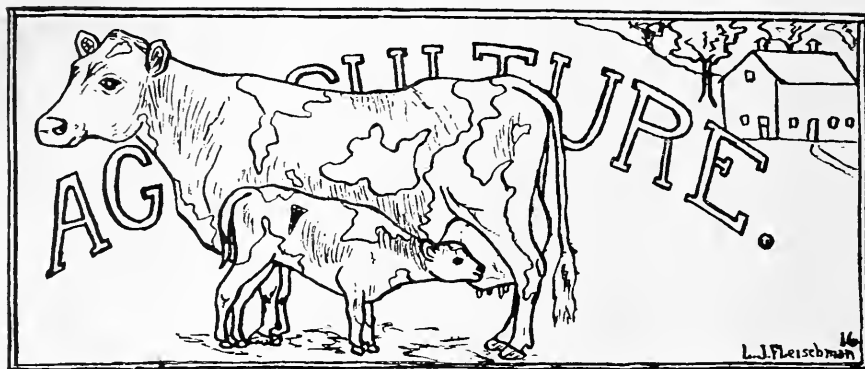
### EXCHANGE

We beg to announce receipt of the following: Signal Mt. Airy World, Torch (Doylestown H. S.), Tuskegee Student, H. A. S. Record, M. H. S. Life, The Student (Portsmouth, Va.), Blue and Gray

(Friends' Central), The Review, Hilltop, Woodbine H. S.

THE TORCH: Your first appearance has made a good impression.

HILLTOP: Your Literae "Only a Rookie," makes many of us desirous of swatting the pill for big league teams.



*J. MILLER, Editor*

### THE IMPORTANCE OF BIOLOGY IN AGRICULTURE.

For a number of years biologists have been trying to convince the general public, and especially the farmer, that a knowledge of biology in its various branches is essential to successful agriculture.

Intelligent men and women, as well as the advanced scholar and scientist, are of the opinion that the science of biology should be given a great deal more attention than it has received heretofore, and are continually urging that in schools like ours biological subjects should be made the main feature of instruction, and presented in a thorough, painstaking and interesting manner, with due regard for its importance, instead of in the half-contemptuous way in which it is now so often barely tolerated. Botany (which teaches us the fundamental principles of the plant life and gives the young agriculturist a knowledge of plant evolution, structure, physiology, food requirements, etc., necessary to the growing of good crops, upon which

the science of agriculture is based) and entomology (teaching us the life histories and habits of the insects which destroy our crops) are beginning to be recognized, at least as far as spraying for codling moth, plum cuculio and San José scale is concerned. But when it comes to the economic importance of the fungi and the study of plant diseases caused by them, the agricultural world has not yet wakened to a realization of their importance, and farmers claim the expense in time and labor is so great that they cannot afford to "waste time in matters of so little consequence." They overlook, however, either through ignorance or carelessness—that insects and fungous diseases have caused and are causing more actual loss to the farmer than anything else; in fact, the insects are so injurious that laws have been passed concerning some of them by several state legislatures. This proves that biology is not only important, but is one of the most if

not *the* most essential phase of agriculture.

Biology is so closely related to agriculture and the practical application of it so intimate, that the biological side of it is often lost sight of in the practical. As a few illustrations we may take the discovery of bacteria which is credited to the medical men; the sanitation of milk, credited to the dairy men; the relation of bacteria to the soil considered under chemistry and fertilizers, yet all of which are due to the researches of biologists.

Recognition of this fact is slowly gaining ground, and the person who laughs at the study of this science in agricultural institutions shows ignorance concerning modern thoughts and proper methods of educating the young agriculturist along scientific lines, thus proving himself behind the times. He is like the man who destroyed the zoological fossils because they proved the theory of evolution he did not want to admit.

The ignorant agriculturist insists that everything pertaining to agri-

culture may be learned by observation. This is true in some respects, especially in some phases of agricultural work, such as driving, harnessing, directing the plow for the various kinds of furrows desired, all of which may be learned by observation as in the case of the average farmer. In biology, however, or even in any branch of it, observation alone is insufficient and absolutely impracticable. For instance, in the study of plant pathology, which is a study of plant diseases, without knowing fully the life cycle, development of and the exact result of a disease, no one is able to control it, and no matter how good a practical farmer one may be, and how rich the soil, his crop must be a failure.

Only when biology is given its full and well deserved consideration an institution like this will be able to issue forth a number of well trained, practical, scientific agriculturists in the full sense of the word, to be able leaders in the communities they may settle.

J. L. MILLER, '19.

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## REPORTS OF THE DEPARTMENTS

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### FARM No. 1

We have been spreading manure and trimming our trees, and are now getting ready for plowing which we expect to begin very soon.

By the additon of three heifers from the main barn, one of which is due to give birth to a calf very soon, we expect to improve our herd greatly. One of our old cows was sold for the use of beef.

We are getting ready for spring in general, which we hope to begin with vim and vigor as soon as the weather will permit.

M. R., '19.

### HOME FARM

With the good weather we are having the preparations for spring work are completed. The tools and machinery are being cleaned and repaired to give good service for another year.

Lately a new horse and two new pure-bred Holstein heifers have been added to our stock. With these extra animals the work and production of milk is expected to improve.

J. M., '18.

### FARM No. 3

During the past month preparations were made for the coming spring work.

The roads and implements were put in their best possible condition so as to enable us to use them

as soon as the weather permits.

Several tons of corn fodder have been shredded and a good many logs were cut up for building material and fire wood.

We had the good fortune of having Mr. Stork visit us twice during the last month, and leaving behind him two baby "bull calves," which we had to nurse for a period of four weeks. Then the burden was taken off our hands by our good friend—the butcher.

H. F., '18.

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## HORTICULTURAL DEPARTMENT

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Spring found the department in its most busy and active time, preparing plants and seedlings for our own use and for the market.

We have the best variety of plants the greenhouse ever produced; a stock composed of various kinds of bedding plants, cut flower plants and bulbs for our Easter trade, prospects of which are very promising.

Our retail trade is progressing gradually; people are calling at home for various plants, and our weekly sales at Clymer's Department Store in Doylestown seems to be very good. It gives us fairly good returns and we expect to do better as the spring advances.

We can confidently say that we have a larger stock and better quality of plants this year than many previous. We have doubled the amount of geraniums as hardly any geranium cutting failed to root.

We have timed our Easter stock

of which we have a good variety, as Easter lilies, hyacinths, tulips, hydrangeas, spireas and daffodils, to bloom just for the right time, our cut flowers also being in their prime.

During the last month we have been cutting on the average of 800 flowers weekly, and we expect to increase the number to 1000 weekly.

Besides all this, we are preparing for the coming year and have already about 3500 carnation cuttings.

We also expect to enlarge our department. An appropriation of \$4000 was made to erect a two-story building which will consist of an office, laboratory, experimental room and a conservatory for the growing of ferns, orchids and other rare plants, which will surely be of great importance and source of knowledge to the students interested in this line of work.

M. H. M., '18.

POULTRY DEPARTMENT

---

Handicapped with remodeling of poultry, which was a necessity, we were unable to get good results. Mr. Toor's time being taken up by the "orchard gang" he could not pay close attention to the poultry.

Considering these facts, we had results that were remarkable in view of the conditions. We are glad to say that this year we have succeeded in getting a greater hatch percentage than last year's record.

During this month we set about 1500 eggs, 400 of which are still in the incubator. Of the first flock of 97 chicks set under the brooder on February 25th, we have raised

70 vigorous and promising chicks. Out of the next flock of 70 set on March 8th, 18 are now alive, the rest having died from diarrhoea. This disease also infected the next flock of 210 set, but succeeded so far to prevent it from spreading.

The cash sales to students during this month broke all previous records, while the demand greatly exceeds the supply. The boarding department was supplied with 1700 eggs.

We are patiently waiting for the new plant hoping to be able to supply the great demand.

R. G., '18.

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LITERARY SOCIETY

Interest in the Literary Society continues to increase with each succeeding meeting. Many new members have been enrolled during the past month and the Freshman class is expected to furnish a lot of unheralded talent during the current month.

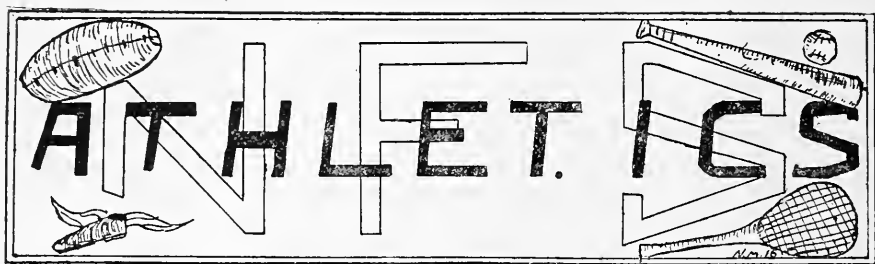
The Society at the last few meetings has been privileged to hear many outside speakers who brought to us messages that cannot fail to prove of value to all who were so fortunate to be present. We especially wish to acknowledge our gratitude to Mr. Garber, the Bucks County Farm Agent, who visited us March 3d. The large attendance at this meeting was ample proof that we were suspicious of an unusual treat. Nor were we disappointed. Mr. Garber, whose address was one hundred per cent agriculture, left with us some ideas and facts

that we feel sure will prove of constant value to us in our chosen work. We are looking forward to another visit from Mr. Garber, at which time we can safely predict an even larger turn-out.

Mr. Coleman, who was a schoolmate of our director, and who knows more about Holstein cows than Kaiser Bill does about submarine warfare, was with us on March 24th. After Mr. Coleman had his say we concluded to hold a Holstein cow in a higher esteem than ever before. We fully appreciated what he said concerning that particular breed of cattle.

Every student of the School is urged to ally himself with the Literary Society that he might reap some of the benefits which it so bounteously offers.

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*E. KATZ, Editor*

## BASEBALL PROGRESS

March opened with unfavorable weather conditions for baseball, allowing but one practice and that not until the 27th. Our candidates were willing, however, and decided to have a bit of trench warfare, by trying to warm up in the mud. As the weather improved, the practice improved, and subsequently quality was added to our quantity of material. Coach Campbell took advantage of the poor times and instructed us with inspiring talks on some of the inner points of the game which we can now see were very helpful to us when we prepared for the Doylestown game. That was a test of Farm School's preparedness and alertness and the team certainly did credit to his coaching.

At last Worcester shines on the map! (As far as our team is concerned at any rate.) Besides contributing to the team, Max Segal, our twirler, and his "limbs," we have Ben Joffe playing the middle position, whom we might introduce as the newly elected Captain of the 1917 team. Joffe deserves all the credit that we can give him. He showed last year his playing ability

and knowledge of the game and lived up to his record during our opening game with Doylestown, which was held on the 31st. I truly believe he knows more rules about the game than the book accounts for, and he knows when and how to apply them. The team is with you, Ben; your qualities and our co-operation with Mr. Campbell's coaching will bring Farm School's team victorious during the '17 season.

The team, on the whole, is out with the pep and vim that this school is noted for. They are rapidly rounding up in shape, in preparation for the Pennington game, which is to be our first real game of the season. On account of the holiday, the game with U. of P. Engineers has been postponed.

Tennis is eagerly looked forward to by every one and work has already begun on the courts. It will not take very much work before they are put in shape. Great stress has been put on fixing our second court and for that reason we will be able to enjoy the use of both courts from the start.



## FARM SCHOOL, 7; DOYLESTOWN HIGH, 1

The playing of our first game of the season with Doylestown High School on March 31st remained in doubt until the day preceding the game, as also did the place at which it was to be played. The former was due to the fact that we had experienced an unusually wet spring, which proved a serious handicap in the conditioning of the team, while the latter was caused by a misunderstanding between the managers when the game was first scheduled. The dispute was settled by tossing a coin, which gave Doylestown the right of choosing its field for the opening battle of the season for both schools.

As if conscious of having treated us unjustly, the weather Kaiser issued a day which was as suitable for a baseball game as Woodrow Wilson is for President. With such favorable weather and the entire student body (except Aidman, who was sick) present at the game, and inflated with a potential spirit which had developed during the winter months and bent, it seemed, on making more noise than a 42-centimeter gun—with these two tonics we readily see how it was possible for our poorly trained warriors to get the Doylestown lads on the run at the very outbreak of hostilities.

We began the attack on the enemy in a conspicuous manner indeed. General Joffe, who deserted the French army for Farm School, bravely exposed himself to the sharpshooting of Pitcher Moerman, who in four attempts failed to hit the target, and General Joffe advanced to Doylestown's first line of defense. Not being contented with this gain of ninety feet, he at once began an offensive that carried him all the way around the enemy's battle line, the others as well as the pitcher missing their aim by several feet. This little piece of strategy on the part of Farm School's flashy shortstop completely upset the morale of the High School tosser, and from then on it was simply a question of how large a score we would pile up in the seven innings.

The final score, which was 7 to 1, was most gratifying not only to Coach Campbell, but the whole student body also. It brought out the fact that we had a very capable twirler in Segal, who held the Doylestown hitters in the palm of his hand. The hitting of the team for the most part was satisfactory, all of their eleven hits being clean and hard drives. Orloff, our new centerfielder, with four hits to his credit, was the premier swatsmith of the afternoon, while Joffe and Katz also wielded the bludgeon with much vengeance. The score:

## NATIONAL FARM SCHOOL

	AB.	H.	R.	A.	P.O.	E.
Jaffe, ss.....	3	2	2	2	1	0
E. Katz, 3b....	2	0	2	3	3	0
Orloff, cf.....	4	4	1	0	0	0
McCool, 1b....	4	0	0	0	5	0
Leib, c.....	4	2	1	0	10	0
Segal, p.....	4	1	0	0	0	0
Moore, 1f.....	3	2	0	0	2	0
Mintz, 2b.....	2	0	0	0	0	0
Ginsburg, rf... 1	0	1	0	0	0	0
Landman, 2b... 1	0	0	1	0	0	0
Fishman, rf.... 1	0	0	0	0	0	0
Totals .....	29	11	7	6	21	0

## DOYLESTOWN H. S.

	AB.	H.	R.	A.	P.O.	E.
Gulick, 2b.....	3	1	0	0	1	1
Stratton, ss....	4	1	0	0	1	1
Weldon, c.....	2	0	0	0	9	1
Haymen, cf....	2	0	1	1	1	1
Leatter, 3b....	2	1	0	0	2	2
Fell, 1f.....	3	1	0	0	0	0
Fonash, rf....	2	0	0	0	0	1
Gardy, 1b.....	2	1	0	0	5	1
Moerman, p... 0	0	0	0	0	1	0
Burcket, p.....	2	0	0	0	1	0
Totals .....	22	5	1	1	21	8

Batteries—Doylestown H. S.,  
Moerman and Burcket and Weldon.  
Farm School, Segal and Leib.

Struck out—By Segal, 8; Moerman, 4 in 4 innings; Burcket, 3 in 3 innings.

Base on balls—Off Segal, 2; Moerman, 3.

Hit by pitched ball—By Segal (Moerman and Fonash).

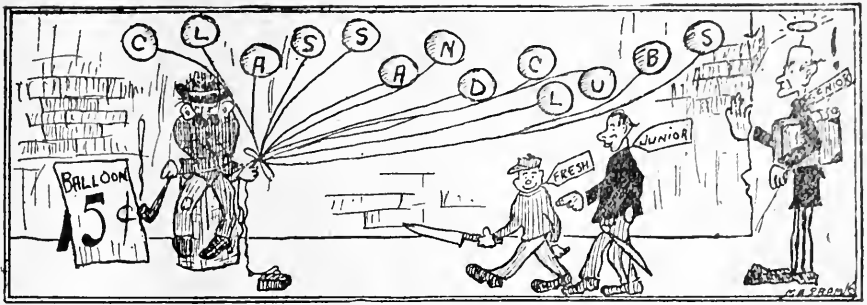
Two-base hit—Segal.

Stolen bases—Jaffe, 4; Katz, 3; Ginsburg, Stratton, 2, and Haymen.

Double plays—Stratton to Gardy; Gulick to Gardy.

Umpire—Mitch.





*M. ROSENBERG, Editor*

## CLASS OF '18

We have constructed the path the freshmen are to follow; with the timely assistance of the S. S. A. and the first annual Freshman reception. We are very grateful to Mr. Young, practical agronomist, for his interesting talk, which will doubtless be of unlimited beneficiary service to us. We can't exactly place Prof. Bishop's nor Prof. Allman's address of welcome to the Freshmen, since they both occupied the same floor space; and both took five minutes to prepare for their address. Pop in his arm chair and smoking a pipe and Nelly (his dog) snugly located in his lap, whereas, Prof. Allman was in Miss L. P. B.'s Ento. and P. P. parlor.

The Freshmen responded to our

address of welcome by displaying, with unusual sang froid, their enormous capacity to lay away "eats" Our surprises were many that evening, some of which are the following: That the lights didn't go out. That Fraulein Winkler, through some unfortunate unforeseen circumstances, was unable to be present at the reception, thereby losing the opportunity of hearing her serenade the Freshmen. That so many of the Glee Club members responded to the call, and simultaneously be honored with a difficult selection by the trio, "Sherman, Rubin, and Miller." That Miss Borden didn't pass any remarkable remarks. That the Juniors' severe thirst for lemonade was soon quenched when the "extras" were served.

J. K., '18.

### THE CLASS OF '20

The Freshman Class that has entered the school on March 5th, 1917, have already been instilled with the traditional spirit of the National Farm School.

We have successfully organized, and the following men have been elected as officers:

Skolnick, President.  
 Robinowitz, Vice-President.  
 L. Brownstein, Treasurer.  
 J. Kahn, Secretary.

### CLASS OF '19

The entering of the Freshies was a joyous event for the '19 class. We gave them a hearty welcome and they accepted the celebration in a desirable manner.

After the first baseball practice it

was evident that the '19 class had some very good material. We hope to be represented by at least six men on the varsity team, if things go right.

P. L., '19.

### THE SENATE

The new officers that were elected for the coming year are as follows:

Harry Shuffman, president;  
 John McCool, first vice-president;  
 Ernest Katz, second vice-president;  
 Jay Mannes, secretary and treasurer.

The new officers were duly installed according to the constitution.

J. M., '18.

### ALUMNI NOTES

Notice to the Alumni: The next issue will be the annual Alumni issue. In that issue we want to yield the floor to the N. F. S. Alumni. Will you not help us make it a success? We would like to receive contributions from every alumnus and we will publish them all. Every line of work in which our graduates are engaged is of interest, and every shade of opinion will be entertained. Let's hear from you.

'03. George S. Borovik, G. Ph., is a prescription druggist and operates his drug store at 4805 Armitage Ave., Chicago. Mr. Borovik was Editor of the Gleaner while a student here. He recently pledged himself to an annual contribution to the National Farm School.

'07. Victor Anderson is entering the pure-bred Holstein business. He recently made some extensive purchases of fashionable blood for his farm at Sanatoga, Pa. We hope to publish a part of a very interesting letter he recently wrote to Dr. Krauskopf in our alumni issue.

'08. Nathan Feldman has recently accepted a position in the State Veterinary Corps.

'08. Samuel Rudley, who is operating a florist business at Atlantic City, N. J., has recently entered into a business arrangement with the greenhouses of the National Farm School. He thinks Farm School flowers beat most any other kind.

'16. Chas. Abrams has just accepted a position in connection with general farming at Wheeling, W. Va. We wish him the best success.

'16. Leon Fleishman was a welcome visitor at the school during March. Fleishman is assistant supervisor of the greenhouses and children's gardens at the Foster Home in Philadelphia. Fleishman says: "While at the school I thought I wanted to specialize in Dairying and considered the time spent in the greenhouses wasted. I now appreciate the wisdom of the faculty that forced me to get some knowledge of all branches of agriculture as well as of my specialty."

'16. Sol Shapiro has resigned his position as herdsman of the Cloverdale Farm at Colmar to prepare to enter the Ohio State College to take up Veterinary Science. Mr. Shapiro while at Colmar took advantage of his proximity to Farm School to be a frequent visitor here. His genial personality and happy disposition made his appearance on the campus most welcome and we shall miss him. Of course there is no doubt in our mind that Mr. Shapiro will make good. His record at Colmar indicates that. In an interview with our reporter, Mr. Shapiro says: "I wish many of our alumni could come back and see the many improvements that I was privileged to see during my frequent visits here, notably the splendid co-operation that the students are giving the management of the school to continue to make Farm School the foremost agricultural school in the country. I expect to be here on the big day, June 3d, and I hope to meet every

N. F. S. alumnus."

'16. In a letter from President Sparks of the Pennsylvania State College, Mr. Sparks says: "I wish to congratulate you on the splendid record of Meyer Selector, one of our freshmen and a graduate of your school." We can not think of any better way of showing good Farm School spirit than by making records like Mr. Selector is making. We take just pride in the work of Mr. Selector and congratulate him.

'16. Benjamin Wade is connected with a fruit farm at Cedar Crest, N. J. "We have five hundred acres of one, two and three year old peach trees," says Mr. Wade, "and are going to set out this spring three hundred acres more. Three caterpillar tractors are constantly at work. This place, occupying ten thousand acres, is being cleared for peach trees." The above gives an idea of the magnitude of the company Mr. Wade is connected with. He thinks he can work himself up soon. We have no doubt about it.

'16. Morris Harkaway is in the poultry business in Connecticut. He has charge of a flock of two thousand single combed white leghorns and is operating a three thousand egg incubator. We hope to hear more from Mr. Harkaway in the alumni issue.

'15. Harry Shore is herdsman for the Huntington Co., Birmingham, Pa. Mr. Shore says that his calves look exceptionally well this spring. He has been securing some correspondence veterinary help from Dr. Messinger. This is a good example of a graduate making further use of the Faculty of the

Farm School. We wish more graduates would feel free to do this.

'17. Sol Adler is dairyman at the Java Farms, Annapolis, Md. Mr. Adler writes: "A Farm School boy with a little self-confidence can manage any job in agriculture and make good."

'17. Arthur Camen is assistant foreman at Youngstown, Ohio, on the Barnell farm.

'17. Sol Donchin, Louis Gold-  
man and Benj. Maloy are assistants on The Reckless Farm at Jenkin-  
town, Pa.

'17. Nathan Gallub is dairyman at the Bramfords Farms, Groton, Conn.

'17. Charles Jackson is assistant herdsman at the Pencoid Farms, Bala, Pa.

'17. Max Kesselman is assist-  
ant in the greenhouses of J. J.  
Habernickle of Philadelphia.

'17. I. Shapiro is supervisor  
and gardener at the Orphans Home  
in Philadelphia.

'17. Benj. Smith is in general  
farming at Callicoon Center, N. Y.

'17. Chas. Wagner is instructor  
at the Gilbert Farm School,  
Georgetown, Conn.

'11. Samuel Rockland has just  
resigned his position as manager of  
the 1000-acre Fayette Farm at  
Fayetteville, Ark. He is about to  
enter some new duties that will  
give him fuller scope for all his  
energies. He paid the school a visit  
and gave a most inspirational talk  
to the Literary Society.

'17. Samuel Erde is employed  
in general farming at Ridgefield,  
Conn. Mr. Erde writes "I like the  
work, the people and the place."

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